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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 11:18:58 ; Search time 55.693 Seconds
(without alignments)
5580.127 Million cell updates/sec

Title: US-09-807-933b-2

Perfect score: 1017

Sequence: 1 atgaagcttattactatcgc.....caggtgttcaagaataaa 1017

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits/satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Issued Patents NA:*

1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/ECTUS_COMB.seq:*
6: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	189.4	18.6	1473	1	US-08-090-013-3 Sequence 3, Appl1
2	189.4	18.6	1473	1	US-08-081-328-3 Sequence 3, Appl1
3	189.4	18.6	1473	1	US-08-232-249-3 Sequence 3, Appl1
4	189.4	18.6	1473	2	US-08-833-642A-3 Sequence 3, Appl1
5	189.4	18.6	1473	2	US-08-389-423-3 Sequence 3, Appl1
6	189.4	18.6	1473	4	US-09-230-665-3 Sequence 3, Appl1
7	189.4	18.6	1473	4	US-09-189-028-3 Sequence 3, Appl1
8	185.2	18.2	984	4	US-09-230-665-7 Sequence 7, Appl1
9	181.2	17.8	927	3	US-08-651-136C-5 Sequence 5, Appl1
10	181.2	17.8	927	4	US-09-229-911A-5 Sequence 9, Appl1
11	181.2	17.8	1423	3	US-08-651-136C-9 Sequence 9, Appl1
12	181.2	17.8	1423	3	US-09-229-911A-9 Sequence 9, Appl1
13	181.2	17.8	960	3	US-08-651-136C-1 Sequence 1, Appl1
14	181.2	17.8	960	4	US-09-229-911A-1 Sequence 1, Appl1
15	180.8	17.8	919	4	US-09-189-060B-67 Sequence 67, Appl1
16	180.8	17.7	894	3	US-08-651-136C-3 Sequence 3, Appl1
17	180.8	17.7	894	4	US-09-229-911A-3 Sequence 3, Appl1
18	178.8	17.6	924	4	US-09-189-060B-69 Sequence 69, Appl1
19	173.8	17.1	1132	3	US-08-651-136C-21 Sequence 21, Appl1
20	173.8	17.1	1132	4	US-09-229-911A-21 Sequence 21, Appl1
21	169.6	16.7	922	4	US-09-189-060B-65 Sequence 65, Appl1
22	165.4	16.3	1154	3	US-08-651-136C-7 Sequence 7, Appl1
23	165.4	16.3	1154	4	US-09-229-911A-7 Sequence 7, Appl1
24	162.2	15.9	913	3	US-08-651-136C-13 Sequence 13, Appl1
25	162.2	15.9	913	4	US-09-229-911A-13 Sequence 13, Appl1
26	160.4	15.8	885	3	US-08-651-136C-23 Sequence 23, Appl1
27	160.4	15.8	885	4	US-09-229-911A-23 Sequence 23, Appl1

28	160	15.7	912	4	US-09-189-060B-71	Sequence 71, Appl1
29	154.8	15.2	922	4	US-09-189-060B-73	Sequence 73, Appl1
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31	153.6	15.1	1060	1	US-08-090-013-1	Sequence 1, Appl1
32	153.6	15.1	1060	1	US-08-081-328-1	Sequence 1, Appl1
33	153.6	15.1	1060	1	US-08-232-249-1	Sequence 1, Appl1
34	153.6	15.1	1060	2	US-08-921-426-7	Sequence 7, Appl1
35	153.6	15.1	1060	2	US-08-833-642A-1	Sequence 1, Appl1
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37	153.6	15.1	1060	2	US-08-389-423-1	Sequence 1, Appl1
38	153.6	15.1	1060	3	US-08-816-915-7	Sequence 7, Appl1
39	153.6	15.1	1060	4	US-09-189-060B-55	Sequence 55, Appl1
40	153.6	15.1	1060	4	US-09-230-665-1	Sequence 1, Appl1
41	153.6	15.1	1060	4	US-09-189-028-1	Sequence 1, Appl1
42	153.6	15.1	1060	5	PCT-US95-07743-7	Sequence 7, Appl1
43	153.6	15.1	1174	2	US-08-872-437-1	Sequence 1, Appl1
44	153.6	15.1	1174	3	US-08-651-136C-11	Sequence 11, Appl1
45	153.6	15.1	1174	4	US-09-229-911A-11	Sequence 11, Appl1

ALIGNMENTS

RESULT 1
US-08-090-013-3
; Sequence 3, Application US/08090013
; Patent No. 5443750
; GENERAL INFORMATION:
; APPLICANT: CONVENTS, ANDRE C
; APPLICANT: BUSCH, ALFRED
; APPLICANT: BAECK, ANDRE C
; TITLE OF INVENTION: DETERGENT COMPOSITION WITH HIGH ACTIVITY
; TITLE OF INVENTION: CELLULASE AND SORTEING CLAYS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESS: THE PROCTER & GAMBLE COMPANY
; ADDRESS: 5299 SPRING GROVE AVENUE
; CITY: CINCINNATI
; STATE: OHIO
; COUNTRY: USA
; ZIP: 45217
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/090,013
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 91202880.0
; FILING DATE: 06-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: PATEL, KEN K.
; REGISTRATION NUMBER: 33,988
; REFERENCE/DOCKET INFORMATION:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 513-627-6437
; TELEFAX: 513-627-4854
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1473 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 97..1224
; US-08-090-013-3
Query Match 18.6%; Score 189.4; DB 1; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1.4e-47;

	Matches	369;	Conservative	0;	Mismatches	241;	Indels	15;	Gaps	2
Oy	380	GTGATGCTCTCTGTGAACGGTGTCACTACTCTGTTATTGGAGATTGCTGTAAAGGCTCTCTGA	439							
Db	143	GTGTGCTCTTCGGAAGCGGTCACCTCTTACTCATTACTGGAGATTGTGCAGAAGCCCTTCTTGCT	202							
Oy	440	GCTGAGCCCGGTAAAGGCCAATGTCAGTTCCTTCGTCAAGCTCTGTAAACAAGATGTGTICA	499							
Db	203	CTTGAGAGGGAAGAAAGGCTGTGTCAACGCCCCGTGCTTTAACTGTGTATAAGAACGACAACC	262							
Oy	500	CTGCCCCTTAGTGAACGACATATGCCAAAGTGCCTGTAAAGGTGTAAAGTTACATGTGTGA	559							
Db	263	CCATTTCACAAACCAATCCTGTCCAACGGTGTGAAGGGTGTGGTTCCTGTATGTCTTGA	322							
Oy	560	ACGACAACCAACCTTTGGGCTGTAAACGACAACCTTTGGCTATGTTTCGCTGTGCTGCA	619							
Db	323	CCAACTACTCTCCCTGGGCTGTCAACGATAGACTTGCCTACGSGTTTCGCTGCTACGACA	382							
Oy	620	TCAAGTGTGTGTGAATCTGCGTGTGTCTGTTCTTGTTCGAACTTACTTCACTTCTA	679							
Db	383	TCTCCGGGTGGCTCCGAGGCCAGCTGTGTGTGTGTGATCTTGTACCTTCACCACTG	442							
Oy	680	CCTCTGTGTCTGTGTAAAGATAGTGTGTCCAGTCACTPAACCTGGTGTGTATCTTGCT	739							
Db	443	GCCCCGTCAAAGGCAAGAAAGATGATGTCTCACTGCACCAACCTGGAGGTGATCTTCGGCG	502							
Oy	740	CCTCTACTGTGTCTCACTTGTGACTTGTCAAAATGCCGGTGTGTGTGTGTATTTTCAATG	799							
Db	503	ACA-----ACACATTCGATCTCATATATGCCGGCGGTGTGTGTCGATCTTGACG	553							
Oy	800	GTTGTTCACGACCAATGGGGTGTCTCCCAATGACGGTGTGGGCTTCAGATACGGTGTATTT	859							
Db	554	GCTGCACCTCTGAGTTCGG-----CAAGCTCTCTCGGCGGTGTGCCAGTACGGGGTATCT	607							
Oy	860	CTTTCGACATCTGACTGCTCTAGTCTTCTTCGCACTCCAAAGCTGTTGTAAATGAGAT	919							
Db	608	CCTCCCGAAGCAATGTGATAGTACTACCCGAGCTTCTCAAGACGGTTTCCACTGGCGAT	667							
Oy	920	TCAACTGTGTCAAGAACGCTGATTAACCAAGCATGACTTACAAAGAAATTACTGTCTTA	979							
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Oy	980	AGGAATCACGCGSCAAAGACAGATTG 1004								
Db	728	AGGCTCTCTCGACATCACTGATG 752								
 RESULT 2 US-08-081-328-3 Sequence 3, Application US/08081328 Patent No. 5520838 GENERAL INFORMATION: APPLICANT: BAECK, ANDRE C. APPLICANT: CEULEMANS, RAPHAEL ANGELINE A. APPLICANT: BUSCH, ALFRED (NMN) TITLE OF INVENTION: COMPACT DEREGENT COMPOSITIONS WITH TITLE OF INVENTION: HIGH ACTIVITY CELLULASE NUMBER OF SEQUENCES: 4 CORRESPONDENCE ADDRESS: ADDRESSEE: THE PROCTER & GAMBLE COMPANY STREET: 11810 East Miami River Road CITY: CINCINNATI STATE: OHIO COUNTRY: USA ZIP: 45253-8707 COMPUTER READABLE FORM: MEDIUM TYPE: Diskette COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/081,328 FILING DATE: 11/19/93										

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CLASSIFICATION: 252
ATTORNEY/AGENT INFORMATION:
NAME: ZERBY, KIM WILLIAM
REGISTRATION NUMBER: 32,323
REFERENCE/DOCKET NUMBER: CM356M
TELECOMMUNICATION INFORMATION:
TELEPHONE: 513-627-2885
TELEFAX: 513-627-0318
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-08-081-328-3

Query Match      18.6%; Score 189.4; DB 1; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1,46-47; Indels 15; Gaps 2
Matches 369; Conservative 0; Mismatches 241;

QY 380 GGGGAGCCCTGTGTAAAGCGTGTCACTACTCCTTATTGGGATTTGGCTGTAAAGCCCTCTGTAA 439
Db 143 GTCTCTCTTCTGTAAAGCCGTACTCTTACTGCATCTAGTGGATTTGTGTGAACCTCTTTGGCT 202
QY 440 GCTGGCCGGGTAAAGCCAAATGTCACTTCTCTGTCAAGTCTGTAAACAAGATGGTGTCA 499
Db 203 CTTGAGAGCGGAAGGCTGTCTGTCAACGCCCTGCTTTAACTTGTGATTAACAAGACAAC 262
QY 500 CTGCCCTTATGTACACGCAATGCCCCAATGTGCTTAAACGGGTGTAAACAGTTACATGTGTA 559
Db 263 CCAATTTCACAACCAATGTCTGTCAACGGTTGTAGGGTGGTTCCTTAACTGTTCGA 322
QY 560 ACACAACAACAACCTTGGGCTGTAAACAACAACAACCTTGTCTATGTGTTTGGCTGTCTGCCA 619
Db 323 CCAACTACTCTCCCTGGGCTGTCAACGATGATGAGCTTGGCTACGGTTTGGCTGTACCAAG 382
QY 620 TCAATGGTGTGTGAATCTGCTGTGTGTCTGTTCTTGTTCGAACCTTACTTCACTTTA 679
Db 383 TCTCCGGTGGCTCCGAGGCAAGCTGTGTCTGTGTGTATGTCTTGAACCTTACAACATG 442
QY 680 CCTCTGTGTGTGTAAAGATGATGTTCACAAATCACTACATGTGTGTATCTTGGCT 739
Db 443 GCCCGGTCAAGGCAAGATGATGTCTCAGTCCAGTCAACATCACTGGAAGTATCTGGCG 502
QY 740 CTTCTACTGTGTCTCACTTGACTTGCAAAATGCCGGTGTGTGTGTGTGTATTTCAATG 799
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Db 608 CTTCCGGAACGAATGTGATTAAGTACCCCGAGCTTCTCAAGAAAGGTTGCCACATGGGGAT 667
QY 920 TCAACTGTTCAGAAACGTGTATTAACCAAGATGATCACTTAACAAGAAAGTTACCTGTCTA 979
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QY 980 AGAAATCAACCGCCAGAACAGGTTG 1004
Db 728 AGGCTCTCTGCATCATCAATGGAATG 752

RESULT 3
US-08-232-249-3
; Sequence 3, Application us/08232249
; Patent No. 5610129
; GENERAL INFORMATION:

```

APPLICANT: MCCORODALE, FINLAY (NMN)
APPLICANT: BUSCH, ALFRED (NMN)
TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: THE PROCTER & GAMBLE COMPANY
STREET: 5299 SPRING GROVE AVENUE
CITY: CINCINNATI
STATE: OHIO
COUNTRY: USA
ZIP: 45217
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,249
FILING DATE: 05-MAY-1994
CLASSIFICATION: 510
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91202882.6
FILING DATE: 06-NOV-91
ATTORNEY/AGENT INFORMATION:
NAME: ALLEN, GEORGE W.
REGISTRATION NUMBER: 26,143
REFERENCE/DOCKET NUMBER: CM-395
TELECOMMUNICATION INFORMATION:
TELEPHONE: 513-627-5946
TELEFAX: 513-627-8118
INFORMATION FOR SEQ. ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-08-232-249-3

Query Match 18.6%; Score 189.4; DB 1; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1.4e-47;
Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;

QY 380 GTGTGCTCTGTGTAACGGTGTCTACTGTTATTGGAGTTCGTGAAGCCCTCTGTA 439
DB 143 GTGTGCTCTGTGTAACGGTGTCTACTGTTATTGGAGTTCGTGAAGCCCTCTGCT 202
QY 440 GGTGCGCCGGTGAAGCGCAATGTCTGTTCTCTGTCAGTCTGTGAACAAGATGTGTCA 499
DB 203 CTGGAGCGGAAAGGTGTCTGTCMAAGCCCTGCTTTAATTGTGATTAAGAACGACAACC 262
QY 500 CTGCGCTTGTAGTACAGCAATGCGCAAGTGTGTGAACGGTGTGAACAGTTACATGTGTA 559
DB 263 CATTTCACACACCAATGCTGTCAAGGTTGTGAGGTTGTGTCTGTTGCTTGTGA 322
QY 560 ACACACAACCACTTGGGCTGTGAACGACAACCTTGCCTTGTGCTGTGCTGCGCA 619
DB 323 CCAACTACTCTCCCTGGGCTGTCAACGATGAGCTTCCCTACAGGTTTCGCTGACCAAGA 382
QY 620 TCAGTGTGTGTGTGAATCTCGTGTGTGTCTTCTTGTTCAGACTTACTTCACTTCA 679
DB 383 TCTCCGGTGTCTCGAGGCGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 442
QY 680 CCTCTGTGTGTGTGTGAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 739
DB 443 GCCCGCTCAAGGCGCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 502
QY 740 CCTTACTGT 799
DB 503 ACA-----ACCACTTCATCTCATGTATGCCCGGCTGTGTGTGTGTGTGTGTGTGTGT 553

QY 800 GTTGTTCACGCAATGGGCTGCTCCCAATGACGTTGGGGCTCAAGATACGGTGTATT 859
DB 554 GCTGACCTCTGAGTTCCG-----CAGGCTCTGGCGGTGCCAGTACGGCGGTATCT 607
QY 860 CTTCGTGATCTGACTGCTCTACTCTTCTTCCGCACTCCCACTGCTGTGAATGAGAT 919
DB 608 CCTCCGGAAGCAATGTGATTACTACCCGAGCTTCTCAAGAACGTTCCACTGGCGAT 667
QY 920 TCACTGTGTCAAGAACGCTGATTAACCAAGCATGACTTCAAGAGATTTACTGTCTTA 979
DB 668 TCGACTGTGTTCAGAACCGCGCAACCTGTGACTTCACTTGAAGCAGTTGAGTCCCA 727
QY 980 AGCAATACAGCGCCAGACAGTTG 1004
DB 728 AGGCTCTCTCGACATCACTGATG 752

RESULT 4
US-08-833-642A-3
Sequence 3; Application US/08833642A
Patent No. 5883066
GENERAL INFORMATION:
APPLICANT: Ivan M. A. J. Herbots et al.
TITLE OF INVENTION: Liquid Detergent Compositions
TITLE OF INVENTION: Containing Cellulase and Amine
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jackie Ann Zurcher
ADDRESS: 255 E. Fifth Street
STREET: 1900 Chemed Center
CITY: Cincinnati
STATE: Ohio
COUNTRY: USA
ZIP: 45202
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,642A
FILING DATE: April 8, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Zurcher, J. A.
REGISTRATION NUMBER: P42,251
REFERENCE/DOCKET NUMBER: CM551C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (513) 977-8377
TELEFAX: (513) 977-8141
INFORMATION FOR SEQ. ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-08-833-642A-3

Query Match 18.6%; Score 189.4; DB 2; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1.4e-47;
Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;

QY 380 GTGTGCTCTGTGTAACGGTGTCTACTGTTATTGGAGTTCGTGAAGCCCTCTGTA 439
DB 143 GTGTGCTCTGTGTAACGGTGTCTACTGTTATTGGAGTTCGTGAAGCCCTCTGCT 202
QY 440 GGTGCGCCGGTGAAGCGCAATGTCTGTTCTCTGTCAGTCTGTGAACAAGATGTGTCA 499
DB 203 CTGGAGCGGAAAGGTGTCTGTCMAAGCCCTGCTTTAATTGTGATTAAGAACGACAACC 262
QY 500 CTGCGCTTGTAGTACAGCAATGCGCAAGTGTGTGAACGGTGTGAACAGTTACATGTGTA 559
DB 263 CATTTCACACACCAATGCTGTCAAGGTTGTGAGGTTGTGTCTGTTGCTTGTGA 322
QY 560 ACACACAACCACTTGGGCTGTGAACGACAACCTTGCCTTGTGCTGTGCTGCGCA 619
DB 323 CCAACTACTCTCCCTGGGCTGTCAACGATGAGCTTCCCTACAGGTTTCGCTGACCAAGA 382
QY 620 TCAGTGTGTGTGTGAATCTCGTGTGTGTCTTCTTGTTCAGACTTACTTCACTTCA 679
DB 383 TCTCCGGTGTCTCGAGGCGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 442
QY 680 CCTCTGTGTGTGTGTGAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 739
DB 443 GCCCGCTCAAGGCGCAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 502
QY 740 CCTTACTGT 799
DB 503 ACA-----ACCACTTCATCTCATGTATGCCCGGCTGTGTGTGTGTGTGTGTGTGTGT 553

Db 143 GTGCTGCTTGAAGCGGTCACTCTACTGATAGTGGATTGCTGCAAGCTTCTTGCT 202
QY 440 GCTGCCCCGTAAGCCCAATGTCAGTTCTCTGTCAGAGTCTCTGTAACAAGATGCTCA 499
Db 203 CTGGAGCGGAAAGGCTGCTGTCAAGCCCTGCTTTAACTTGTAAGAACACAAACC 262
QY 500 CTGCCCCCTTGAAGCAGCAATGCCCAAGTGGCTGTAAAGGTGAACAGTTACATGTA 559
Db 263 CCAATTCCAAACCAATAGCTGTCAACGTTGTGAGGGTGGTGGTCTTACCTTAC 322
QY 560 ACGAACAACAACCTTGGGCTGTAAACAACAACTTGGCTTAATGTTGGCTGCTGCCA 619
Db 323 CCAACTACTCTCCCTGGGCTGTCAACGATGAGCTTGGCTTAAGGTTGCTGCTACCA 382
QY 620 TCAGTGGTGGTGGATTCGCGTGGCTGCTGTTCTTGTTCGAACTTACTTCACTTCT 679
Db 383 TCTCCGGTGGCTCCGAGGCGACGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 442
QY 680 CCTCTGTGTGTGTGAAGATGTTGTCCAAAGTCACTTAACAAGTGTGTGTGTGTGTGT 739
Db 443 GCCCGGTCAGAGGCAAGATGATGATCCAGTCCAAACAACCTGAGAGTGTGTGTGTGT 502
QY 740 CTTCTACTGCTGCTCACTTGTGCAAAATGCCCGGTGGTGGTGGTGGTGGTGGTGGT 799
Db 503 ACA-----ACCACTTGTGATCTCATGATGCCCGGCGGTGGTGGTGGTGGTGGTGGT 553
QY 800 GTTGTTCAGCCCAATGAGGCTGCTCCCAATGACGCTTGGGCTCAAGATCGGTGGTATT 859
Db 554 GCTGCACTCTGAGTTGG-----CAAGGCTCTGGCGGGTGGCCAGTACGGGGATCT 607
QY 860 CTTCTGATCTGACTGCTCTAGTCTTCTTCCGACCTCCAAAGCTGGTGGTGGTGGTGG 919
Db 608 CTTCCCAAGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 667
QY 920 TCAACTGCTTCAAGAGCTGTATACCCCAAGATGATGATGATGATGATGATGATGATG 979
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QY 980 AGGAATACCGCCCAAGACAGGTTG 1004
Db 728 AGGCTCTCTGACATCAAGTGATG 752

RESULT 5
US-08-389-423-3
; Sequence 3, Application US/08389423
; Patent No. 5948672
; GENERAL INFORMATION:
; APPLICANT: Rasmussen, Grethe
; APPLICANT: Mikkelson, Jan Moller
; APPLICANT: Schuelein, Martin
; APPLICANT: Pakkar, Shankant A.
; APPLICANT: Hagen, Fred
; TITLE OF INVENTION: A Cellulase Preparation Comprising an
; TITLE OF INVENTION: Endoglucanase Enzyme
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 59486720 No. 59486720 of No. 59486720th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/389,423
; FILING DATE: 14-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
US-08-389-423-3

Query Match 18.6%; Score 189.4; DB 2; Length 1473;
Best Local Similarity 59.0%; Pred. No. 1.4e-47;
Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;

QY 380 GTGATGCTTGTGTAACGCTGTCTACTGCTTATTTGGATTTGCTTAAGGCTCTGTA 439
Db 143 GTGCTCTTCTGGAACGGGTCACTTACTGATGATGATGATGATGATGATGATGATG 202
QY 440 GCTGCCCCGTAAGCCCAATGTCAGTTCTCTGTCAGAGTCTGTAAACAAGATGCTCA 499
Db 203 CTGGAGCGGAAAGGCTGCTGTCAAGCCCTGCTTTAACTTGTAAGAACACAAACC 262
QY 500 CTGCCCCCTTGAAGCAGCAATGCCCAAGTGGCTGTAAAGGTGAACAGTTACATGTA 559
Db 263 CCAATTCCAAACCAATAGCTGTCAACGTTGTGAGGGTGGTGGTGGTGGTGGTGGT 322
QY 560 ACGAACAACAACCTTGGGCTGTAAACAACAACTTGGCTTAATGTTGGCTGCTGCCA 619
Db 323 CCAACTACTCTCCCTGGGCTGTCAACGATGAGCTTGGCTTAAGGTTGCTGCTACCA 382
QY 620 TCAGTGGTGGTGGATTCGCGTGGCTGCTGTTCTTGTTCGAACTTACTTCACTTCT 679
Db 383 TCTCCGGTGGCTCCGAGGCGACGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 442
QY 680 CCTCTGTGTGTGTGAAGATGTTGTCCAAAGTCACTTAACAAGTGTGTGTGTGTGT 739
Db 443 GCCCGGTCAGAGGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATG 502
QY 740 CTTCTACTGCTGCTCACTTGTGCAAAATGCCCGGTGGTGGTGGTGGTGGTGGTGGT 799
Db 503 ACA-----ACCACTTGTGATCTCATGATGCCCGGCGGTGGTGGTGGTGGTGGTGGT 553
QY 800 GTTGTTCAGCCCAATGAGGCTGCTCCCAATGACGCTTGGGCTCAAGATCGGTGGTATT 859
Db 554 GCTGCACTCTGAGTTGG-----CAAGGCTCTGGCGGGTGGCCAGTACGGGGATCT 607
QY 860 CTTCTGATCTGACTGCTCTAGTCTTCTTCCGACCTCCAAAGCTGGTGGTGGTGGT 919
Db 608 CTTCCCAAGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 667
QY 920 TCAACTGCTTCAAGAGCTGTATACCCCAAGATGATGATGATGATGATGATGATGATG 979
Db 668 TCGACTGCTTCAAGAGCGGCAACCTGATCTTCAAGAGCTTCAAGAGCTTCAAGAGCT 727
QY 980 AGGAATACCGCCCAAGACAGGTTG 1004
Db 728 AGGCTCTCTGACATCAAGTGATG 752

RESULT 6

US-09-230-665-3
 ; Sequence 3, Application US/09230665
 ; Patent No. 6322595
 ; GENERAL INFORMATION:
 ; APPLICANT: Boyer, Stanton L
 ; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
 ; TITLE OF INVENTION: Component, with and without a Cellulose-Binding Domain
 ; FILE REFERENCE: 6191 Sequence Listing (8 sequences)
 ; Patent No. 6322595
 ; CURRENT APPLICATION NUMBER: US/09/230,665
 ; EARLIER FILING DATE: 1999-01-29
 ; EARLIER APPLICATION NUMBER: 60/023,125
 ; EARLIER FILING DATE: 1996-07-30
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 1473
 ; TYPE: DNA
 ; ORGANISM: Fusarium oxysporum
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (97)..(1224)
 ; US-09-230-665-3

Query Match 18.6%; Score 189.4; DB 4; Length 1473;
 Best Local Similarity 59.0%; Pred. No. 1.4e-47;
 Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;

QY 380 GTGTGCTCTGTGTAACGGTGTCTACTCTGTTATTTGGATGCTGTAAGGCTCCTGTA 439
 |||||
 DB 143 GTGTGCTCTGTGTAACGGTGTCTACTCTGTTATTTGGATGCTGTAAGGCTCCTGTA 202
 |||||
 QY 440 GCTGCGCCGTAAGGCAATGTCTGCTCTGTAAGTCTGTAACAAAGATGCTGTA 499
 |||||
 DB 203 CTGGAGCGGAAGGCTGTCTCAAGCCCTGCTTTAATTGTGTAAGACGACAAAC 262
 |||||
 QY 500 CTGCGCTTGTGTGACAGCAATGCGCAAGTGGCTGTGAACGGTGTGAACAGTTACATGTA 559
 |||||
 DB 263 CCATTTCCAAACCAATGCTGTCAAGGTTGAGGAGTGTGTTCTGTTATGTTGCA 322
 |||||
 QY 560 ACACAAACCACTTTGGGCTGTAAACGACAACTTTCCTAATGTTTCGCTGCTGCA 619
 |||||
 DB 323 CCACATCTCTCTCGGCTGTCAAGAGAGTCTGCTCAAGGTTTCGCTGCTACCAAG 382
 |||||
 QY 620 TCAGTGTGTGTGTAATCTCGTGTGCTGTTCTTTGCAACTTACTTTCACTTTCA 679
 |||||
 DB 383 TCTCCGCTGTCTCGAGGCGAGCTGTGTGCTGTCTGTATGCTTGAACCTTCAACCACTG 442
 |||||
 QY 680 CCTGTGTGTGTGTAAGATGTGTGTCAGTCACTAACACTGAGTGTGATCTTGGCT 739
 |||||
 DB 443 GCGCCGTCAAGGCAAGAGATGTGTCAAGTCCACCAACCTGAGAGTGTGATCTGGCG 502
 |||||
 QY 740 CCTCTACTGTGTCTGTAAGTGTGCAATGCGCGGTGTGTGTGTTGATTTTCAATG 799
 |||||
 DB 503 ACA-----ACCACTTGTATCTCATATGCGCGGTGTGTGTGATTTTGAAG 553
 |||||
 QY 800 GTTGTTCACCAATGAGGCTCTCCCAATGACGTTGGGCTCAAGATACGGTGTATTT 859
 |||||
 DB 554 GCTGCACTCTGTGATTCG-----CAAGCTCTCGCGGTGTGCTCCAGTACGCGGTATATCT 607
 |||||
 QY 860 CTTCCTGTGTGTCTGTAGTCTGTAGTCTTCCGCACTCCAGCGTGTGTGTAATGTAGAT 919
 |||||
 DB 608 CTTCGCAAGCAATGTATGTATCTTACCTCCGAGCTTCTCAAGAGGAGTGTGCACTGGCAT 667
 |||||
 QY 920 TCAACTGTTCAGAAAGCTGTATACCAAGCAATGATTAACAAGAGTTAAGTCTGTCTTA 979
 |||||
 DB 668 TCAGTGTGTTCAGAAAGCTGTATACCAAGCAATGATTAACAAGAGTTAAGTCTGTCTTA 727
 |||||
 QY 980 AGGAATTCACCGCCAGACAGGTTG 1004
 |||||
 DB 728 AGGCTCTCTGTGACATCATGTGATG 752
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RESULT 7
 US-09-189-028-3
 ; Sequence 3, Application US/09189028
 ; Patent No. 6423524
 ; GENERAL INFORMATION:
 ; APPLICANT: Rasmussen, Grethe
 ; APPLICANT: Mikkelsen, Jan Moller
 ; APPLICANT: Schuelein, Martin
 ; APPLICANT: Patkar, Shankant A.
 ; TITLE OF INVENTION: A Cellulase Preparation Comprising an
 ; TITLE OF INVENTION: Endoglucanase Enzyme
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: No. 64235240 No. 64235240 of No. 6423524th America, Inc.
 ; STREET: 405 Lexington Avenue, 64th Floor
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States of America
 ; ZIP: 10174-6401
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/189,028
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/389,423
 ; FILING DATE: 14-FEB-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Lambiris, Elias J.
 ; REGISTRATION NUMBER: 33,728
 ; REFERENCE/DOCKET NUMBER: 3469,214-US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-867-0123
 ; TELEFAX: 212-878-9655
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1473 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; ORIGINAL SOURCE:
 ; ORGANISM: Fusarium oxysporum
 ; STRAIN: DSM 2672
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 97..1224
 ; US-09-189-028-3

Query Match 18.6%; Score 189.4; DB 4; Length 1473;
 Best Local Similarity 59.0%; Pred. No. 1.4e-47;
 Matches 369; Conservative 0; Mismatches 241; Indels 15; Gaps 2;

QY 380 GTGTGCTCTGTGTAACGGTGTCTACTCTGTTATTTGGATGCTGTAAGGCTCCTGTA 439
 |||||
 DB 143 GTGTGCTCTGTGTAACGGTGTCTACTCTGTTATTTGGATGCTGTAAGGCTCCTGTA 202
 |||||
 QY 440 GCTGCGCCGTAAGGCAATGTCTGCTCTGTAAGTCTGTAACAAAGATGCTGTA 499
 |||||
 DB 203 CTGGAGCGGAAGGCTGTCTCAAGGCTGCTTAACTGTGATTAAGAGCAACAC 262
 |||||
 QY 500 CTGCGCTTGTGTGACAGCAATGCTGCTGTCTGTCAAGTCTGTGAACAAAGATGCTGTA 559
 |||||
 DB 263 CCATTTCCAAACCAATGCTGTCAAGGTTGTGAGGAGTGTGTCTGTGATGCTTGA 322
 |||||
 QY 560 ACACAAACCACTTTGGGCTGTAAAGCAACCTTGTCTATGTTGCTGCTGCTGCA 619
 |||||

Db 323 CCAACTACTCTCCCTGGGCTGTCAAGAGACCTTGGCTACGGTTTGGCTGCTACCAAGA 382

Qy 620 TCAGTGTGTGTGTGAATCTCGCTGGTGTCTTTCTTTGGAACTTACCTTCACTTCTA 679

Db 383 TCTCCGGTGTCTCCGAGGCCAGGTGGTGTGTGTCTTGCTTGAATGCTTGAACCTTCAACACTG 442

Qy 680 CCTCTGTGTGTGTGAAGAATGTGTTCACAGTCACTTAACTACGTGTGTATCTTGGCT 729

Db 443 GCCCCGTCAAGGGCAAGAAATGATGTGTCAATCCACCAACACTGGAAGTATCTCGCG 502

Qy 740 CCTCTACTGTGTCTACTTTGACTTGTCAAAATGCCGGTGTGTGTGTGTATTTTCAATG 799

Db 503 ACA-----ACCACTTGTGATCTCATGATGCCGGGGTGTGTGTGTGTATCTTGCACG 553

Qy 800 GTTGTTCACGCCAATGAGGGTGTCTCCCAATGACGGTTGGGGCTCAAGAATACGGTGTATTT 859

Db 554 GCTGCACCTGTGAGTTCCG-----CAAGGCTCTGGGGGGTGTGCCAGTACGGCGGTATCT 607

Qy 860 CTTCTGTGATCTGACTGCTGTAGTCTTCTCTCCGACTCCAACTGTTGTAAATGAGAT 919

Db 608 CTTCCGGAAGCGAATGTGATAGTACCCCGACCTTCTCAAGAACGGTTGGCCACGTGGGAT 667

Qy 920 TCACTGTGTTCAAGAACGCTGATTAACCAAGCATACTTAAAGAAATTAAGTTACTGTCTTA 979

Db 668 TGCACGTGTGTGGAAGCGCCGAACCTCAGACTTCACTTTGAGACAGGTTCAGTGCCTCA 727

Qy 980 AGGAATCAACGGCCAGACAGGTTG 1004

Db 728 AGGCTCTCTCGACATCAAGTGAATG 752

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RESULT 8
US-09-230-665-7
; Sequence 7, Application US/09230665
; Patent No. 6322595
; GENERAL INFORMATION:
; APPLICANT: Beyer, Stanton L
; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
; TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain
; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
; Patent No. 6322595
; CURRENT APPLICATION NUMBER: US/09/230,665
; CURRENT FILING DATE: 1999-01-29
; EARLIER APPLICATION NUMBER: 66/023,125
; EARLIER FILING DATE: 1996-07-30
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 984
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Organism encoding
; OTHER INFORMATION: an endoglucanase enzyme
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (97)..(735)
; US-09-230-665-7

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Query Match	18.2%	Score 185.2	DB 4	Length 984
Best Local Similarity	59.2%	Pred. No. 2.1e-46		
Matches 360	Conservative	0	Mismatches 235	Indels 15
			Gaps	2
Qy	380	GTGGTACCTCTGTAAACGGTGCACACACCGTATTATGGATGCTGTAAAGCCCTCGTGA	439	
Db	143	GTGCTGCTTGTGAAAGCGTCACTCACTCGATACCTGGGATTGCTGCAAGCTTTCTGCT	202	
Qy	440	GCTGGCCCGGTAAAGCCAAATGTCAGTTCTCTGTCAAGTCCGTGAACAAAGATGTTCA	499	
Db	203	CTTGGAGCGGAAAGGTGCTGTCAACGCCCTGCTTAACTTGTGATTAAGAACACCAACC	262	
Qy	500	CTGCCCTTATGTACAGCAATATGCCAAAGTGCGCTGTAAACGGTGTAAACATTATGTGA	559	

Db 263 CCAATTCCACACCAATGCTGTCAACGGTTGTGAGGGTGGTGGTTCCTTACCTTGGCA 3222

Qy 560 ACGACAACCAACCTTGGGCTGTAAACGACAAACCTTGCCTATGTTTGGCTGTGCTGCCA 619

Db 323 CCAACTACTCTCCCTGGGCTGTCAACGATGAGCTTGCCTACGGTTTGGCTGTACCAAGA 382

Qy 620 TCAAGTGTGTGTAAATCTGGCTGTGTCTGTCTGTCTTGTTCGAACTTACTTACCTTCTA 679

Db 383 TCTCCGGTGTCTCCAGGCAAGCTGTGTCTGTCTGTCTTATGTATGTACTTACCAACTG 442

Qy 680 CCTCTGTCTGTGTAAAGATGTGTGTCCAAAGTCACTAACTCATGTGTGTGTGTGCT 739

Db 443 GCCCCTCAAGGGCAAGAGATGATCTGTCAATCACCACACTGTGAGTGTATTCGGCG 502

Qy 740 CCTCTACTGTGTCTCACTTTGACTTGCAAATGCCGGTGTGTGTGTGTATTTCTAATG 799

Db 503 ACAAC-----CACTTCGATCTCATGATATGCCGGGGTGTGTGTGTGTATCTTTCACG 553

Qy 800 GTTGTTCACGCAATGGGGTGTCTCCCAATGACGGTGTGGGGCTCAAGATAGGGTGTATTT 855

Db 554 GCTGCACCTCTAGATTGG-----CAAGGCTCTGGGGGTGCCAGATAGCGCGATATCT 607

Qy 860 CTCTGCATCTGACTGTCTGTACTTCTTCCCTCCGCACTCCAGCTGTGTGTAAATGAGAT 919

Db 608 CTTCCCGAAGCGAATGTGTATGACTTACCCCGAGCTTCTTAGAGACGGTGTGCCACTGGGGCAT 667

Qy 920 TCAACTGTGTCAAGAACGCTGATTAACCCAGACATGACTTACAGAGAAATTACCTGTCTA 979

Db 668 TCGACTGTGTTCAGAGAACGCCGACCACTGTACTTCACTTTGACAGAGTTTCAATGCCCCA 727

Qy 980 AGGAATC 987

Db 728 AGGCTCTC 735

RESULT 9
US-08-651-136C-5
Sequence 5, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Laessen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639el Endoglucaases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123

Db 412 ----GACAACTTGTACCTGGCCATCCCGGTGGCGGTGTGATTTTCAAGCCTTG 467
 QY 804 TTCCAGCCATGGGGTGTCTCCCAATGACGGTTGGGGCTCAAGATAAGTGTATTTCTTC 863
 Db 468 CACGACACGATGCGGGCTTCCCGGAACGGCTGGGGCGAACCGGTACGGGGCATTCATTC 527
 QY 864 TGCATGTACTGTCTAGTCTTCTTCCGACTCCAGCTGTGTTAAATGAGATTCA 923
 Db 528 CAGAAGAGTGGGAATCTTCCCGAGGCTTCAAGCCGCTGCACTGGCGCTTCA 587
 QY 924 CTGGTTCAAGAGCTGATATACCAAGCATGATTCAAGAGTTACTGTCTTAAGA 983
 Db 588 CTGGTTCAAGAGCTGATATACCAAGCATGATTCAAGAGTTACTGTCTTCAAGA 647
 QY 984 ATACACCGCCAGACAGTGTTCAGAAA 1013
 Db 648 GCTCAGCTCCAGAGCGGTGTCTCCGTAA 677

RESULT 11
 US-08-651-136C-9
 ; Sequence 9, Application US/08651136C
 ; Patent No. 6001639

GENERAL INFORMATION:
 APPLICANT: Schuelein, Martin
 APPLICANT: Andersen, Lene N.
 APPLICANT: Lassen, Soren F.
 APPLICANT: Kauppinen, Markus S.
 APPLICANT: Lange, Lene
 APPLICANT: Nielsen, Ruby I.
 APPLICANT: Ihara, Michiko
 APPLICANT: Takagi, Shinobu
 TITLE OF INVENTION: No. 6001639e1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6001639 No. 6001639disk of No. 6001639th America, Inc.
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/651.136C
 FILING DATE: 21-MAY-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366-200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1423 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 110..1156
 US-08-651-136C-9

Query Match 17.8%; Score 181.2; DB 3; Length 1423;
 Best Local Similarity 59.5%; Pred. No. 4,1e-45;
 Matches 369; Conservative 0; Mismatches 233; Indels 18; Gaps 3;

QY 385 GCTCTGGTAAAGGTGTGCTACTCTGTTATTTGGATTGTGTAAGGCTCTTGAAGTGG 444
 Db 170 GCTCTGGGCAAAAGGCACACACCCGCTACTGGGATTTGTGCAAGATTTCTTGGCATGG 229
 QY 445 CCGGTAAAGGCAATGTCACTTCTCTGTCAAGTCTGTGTAACAAGATGTGTACCTGCC 504
 Db 230 GAGGGCAAGGATCCGTTCTCGAAGCTGTCTGTGACTGTGTAACAAGCA---GGAACAACCC 286
 QY 505 CTTAGTGAACACATATGCCCAAGTGGCTGTGAAGGCTGTAAACAGTTACATGTGAAGAC 564
 Db 287 ATGCTGTATGCAACGCGCAAGCGCTGTGCAACGCGCGGGGAGATTTGGCTGTACCAAC 346
 QY 565 AACCAACCTTGGGCTGTAAAGCAACCTTGTGTTGTTGCTGTCTGCTGCTCATAGT 624
 Db 347 AATTCCTTGGGCGGTGAGCGAGGACCTGTGCTTACGATTTGCTGCAACGCCCTCAGC 406
 QY 625 GGTGTGTGAATCTCGCTGTGTCTTCTTGTGTAAGTCTTCAACTTCACTTCACTCT 684
 Db 407 GCGGCACTGAGGCGAGCTGTGTGCTGCGGCTGTGTAAGCATCACTTCAAGATGGCCCT 466
 QY 685 GTTGTGTGAAGATGTTGTCCAGTCACTAACAAGTGTGTGTATCTTGTCTCTCT 744
 Db 467 GTGCTGTGCAAGATGTGTGTCTTCAAGCAACGAGGAGGACCTGTCCAAAC---523
 QY 745 ACTGTGTCACTTGTGCAATGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 804
 Db 524 -----AACCACTTGTGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 577
 QY 805 TCCAGCCATGGGGTGTCTCCCAATGACGGTTGGGGCTCAAGATGAGTGTATTTCTTCT 864
 Db 578 TCGGCTGATGTGCAAACTTTTCTCCGCGAGCT-----TAGGAGGTGTGTGTGTGT 631
 QY 865 GCATCTGACTGTCTAGTCTTCTTCCGACTCCAGCTGTGTGTTAAATGAGATTCAAC 924
 Db 632 CGTCTCATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 691
 QY 925 TGGTTCAAGAGCTGTATATCCCAAGCATGATTTCAAGAGTAACTGCTGTCTAAGAA 984
 Db 692 TGGTTCAAGAGCTGTATATCCCAAGCATGATGATGATGATGATGATGATGATGAT 751
 QY 985 ATCAGCGCCAGACAGTGTG 1004
 Db 752 CTGATTCGGTCTGTGGGTG 771

RESULT 12
 US-09-229-911A-9
 ; Sequence 9, Application US/09229911A
 ; Patent No. 6387690

GENERAL INFORMATION:
 APPLICANT: Schuelein, Martin
 APPLICANT: Andersen, Lene N.
 APPLICANT: Lassen, Soren F.
 APPLICANT: Kauppinen, Markus S.
 APPLICANT: Lange, Lene
 APPLICANT: Nielsen, Ruby I.
 APPLICANT: Ihara, Michiko
 APPLICANT: Takagi, Shinobu
 TITLE OF INVENTION: No. 6387690e1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6387690 No. 6387690disk of No. 6387690th America, Inc.
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 110..1156
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-229-911A-9

Query Match      17.8%; Score 181.2; DB 4; Length 1423;
Best Local Similarity 59.5%; Pred. No. 4.1e-45;
Matches 369; Conservative 0; Mismatches 233; Indels 18; Gaps 3;

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RESULT 13
US-08-651-136C-1
Sequence 1, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. 60016390 No. 6001639e1 Endoglucanases
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
US-08-651-136C-1

Query Match      17.8%; Score 181; DB 3; Length 960;
Best Local Similarity 58.9%; Pred. No. 3.9e-45;
Matches 333; Conservative 0; Mismatches 245; Indels 15; Gaps 3;

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/ NUMBER OF SEQ ID NOS: 74
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 67
/ LENGTH: 919
/ TYPE: DNA
/ ORGANISM: Hybrid
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (2)...(919)
US-09-189-060B-67

Query Match 17.8%; Score 180.8; DB 4; Length 919;
Best Local Similarity 59.5%; Pred. No. 4.3e-45;
Matches 371; Conservative 0; Mismatches 232; Indels 21; Gaps 3;

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QY 381 TGGTGCTTGGTGAAGCGGTGCTACTGTTATTGGGATTGCTGAAGCCCTCTGTAG 440
DB 61 TGGCTTGGCTGATGCGAGGTCCAGAGTACTGGGATTGTTGTAAGCCCTCTGTGCTC 120
QY 441 CTGGCCCGGTAAAGCCATGTCAGTTCTCTGTCAGTCTGTAACAAGATGTTGTCAC 500
DB 121 CTGGGGGGAAGGCTCGGTGACGCCGCCCTGCTGACCTGGCAGAGAAC--GACAA 177
QY 501 TGCCTTACTGACAGCAATGCCAAGTGGCTGTAAAGGTGTAACAGTTAATGTGTAA 560
DB 178 CCCCATCTCCGACGCCAAGCCGTAGCGGTTGCAACGGGCACTTCCTACACCTGCAG 237
QY 561 CGACAAACCAACTTGGGGCTGTAAAGCAACAACCTTGCTTATGTTTGTGCTGCTGCCAT 620
DB 238 CAACAACTCCCGTGGGCTGTCAACGACAACTCGCTATGGCTTGGCCGTACCAAGCT 297
QY 621 CAGTGGTGGTGGTGAATCTCGTGGTGTGTTCTTGTGGAATTAATTAATTAATTAAT 680
DB 298 CTCTGAGGCTCCGAGTCCAGCTGAGTGTGCTGTGCTTCTACCTCTTACACTGAG 357
QY 681 CTCTGTGCTGTGAAGAGATGTTGTCCAGTCACTAAACATGTGTGATCTTGGCTC 740
DB 358 CCCCGTAAGGGCAAGACCATGATGTGTAAGTCAACCAACCGGAGGCGATCTGGC-- 415
QY 741 CTCTACTGTGCTCACTTTGACTTGTCAAAATGCCGGTGTGTTGTTGTTTCAATAG 800
DB 416 -----GAGAACCACTTGTGATCTCCAGATGCCGGGCGGTGTGCGATCTTTGACGG 468
QY 801 TTGTTCCAGCCCAATGGGAGTGTCCCAATGACGGTTGGGGCTCAAGATAGCGTGTATTC 860
DB 469 CTGCACTCCCAAGTGGGGTGGCTCGGCCGTCTCAG-----TACGGCGCATCTC 519
QY 861 TTCTGATCTGACTGCTTCTAGTCTTCCGCACTCAAGCTGTGTGTAATGAGATT 920
DB 520 GTCGGAAGCACTGACAGCTTCCCGAGCTGTCAAGGAGCGCTGCTACGCGCTA 579
QY 921 CAACTGTTCAAGAGCGCTGTATTAACCAAGCATGACTTCAAGAGATTACTGTCTTA 980
DB 580 CGACTGTTCAGAGAGCGCGACATCCGAGCTTCAGTCCGTCAGTCCAGTCCAGC 639
QY 981 GGAATACCGCCAGACAGTTG 1004
DB 640 CAGCTCGTGTGCTCGCACCGAGT 663
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